BR No 66 dt: 31/07/15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

al No. P 2434

17332

e of work ..... From ..... To .....

e of Contractor of nature of Agency .....

e of commencement of work .....

te	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth / Depth		
	2	3	4	5 / 6	7	8
	Name of Work:- Construction of Bridge over Storm water drain at 5th Cross Road and 12th A main Road, Mutyala Nagar in J. P. park ward No. 17					
	Agency:- Sri. J. C Prakash					
	Work order No:- EE/RR NO/Wo. No/254/2013-14 at 20-02-14					
	Work Code: 017-14-000096					
	Contract Amount: 20,83,676.00 Rs					
	Date of Measurement:					

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M. A. R. 57 (Rule 116)

Measurement Book

No. B

al No. .....

ne of work ..... From ..... To 17333

ne of Contractor of nature of Agency .....

e of commencement of work .....

le	Full description, etc, of work	Number	Dimensions: Length	Dimensions: Breadth	Dimensions: Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	Item NO: 3 :- Earthwork in Excavation for foundation of Structures as per drwg and technical Specifications, including Setting out, Construction, shoring etc and backfilling with approved material Complete as per specifications depth up to 3m						
	for Bridge portion	1	$10.50 \times \frac{(6.5+6.4+6.6)}{3}$		7.10×1.0	= 74.55	
	for approach slab	1	$10. \times (10.1+6.20)/2$		8.15×0.5	= 40.75	
			Qtty to be paid = 115.30 Cum			115.30 Cum	
	Item NO: 4 :- Providing and filling in foundation with granite kap bottom metal 100mm & down size with approved Sand including hand packing etc complete as per specifications						
	for soling	1	$10.50 \times \frac{(6.5+6.4+6.6)}{3} + 0.3 \times 0.3$			= 21.38 Cum	
			Qtty to be paid = 21.38 Cum				

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item NO: 5:→ Plain reinforced cement Concrete M15 with OPC cement @ 2[illegible] with 40mm & down size graded granite material etc in open foundation complete as per Tech specifications & Dwgs						
	for bed Concrete	1	10.50	6.23	0.15	= 9.81	
	for approach slab	1	10	(10.1 + 6.20)/2	0.15	= 7.65 × 0.15 = 11.48	
						21.29 cum	
	Qtty to be paid = 21.29 cum.						
	Item NO. 8:— Supplying fitting and placing TMT bar fe415 reinforcement in Substructure complete as per drawing and Technical specifications complete as per specification and as directed by the Engineer in charge of the work						
	Steel for bottom slab						

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4 Deduct payments

M. A. R. 57 (Rule 116)
Measurement Book

No. B

al No. .....

ne of work ..... From ..... To 17334

ne of Contractor of nature of Agency.....

e of commencement of work.....

te	Full description, etc, of work		Dimensions			Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	Canal Top Slab both	Unit	No's	length	weight of Bar kg/mt		Total weight
	Top 16mm#	1	98	5.70	1.580		882.59
	bottom 25mm#	1	98	5.70	2.470		1379.74
	distribution 12mm#	2	37	10.50	0.89		691.53
	12mm#	12	12	1.93	0.89		247.35
	Walls 16mm#	2	98	4.20	1.580		1300.66
	12mm#	2	98	3.10	0.89		540.76
	distribution 10mm#	2	36	10.50	0.620		466.45
	12mm#	10	12	1.93	0.890		206.12
	Haunch 10mm#	1	324	1.30	0.62		259.88
	12mm#	2	15	2.65	0.89		70.76
							6045.84 Kg
							6.0458 M.T

Executive Engineer

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Total Qty to be paid = 6.045 M.T. ≈ 6.05						
Item NO! 6:-	Plain/reinforced Cement Concrete in open foundation with OPC Cement design mix M-35 @ 390 kgs etc with batching plant, Transit mixer and Concrete pump.						
	12th A Main Bott. Raft						
	Haunch portion	1 -	10.50	5.30	0.45	= 25.04	
	Wearing Coat	2 -	5.10	0.30	0.30	0.92	
		1 -	4.00	4.30	0.15	2.58	
						28.54 (cum)	
			Limited to			28.35 (cum)	
		Qty to be	paid = 28.35 (cum).				
Item NO! 7:-	Design mix M-35 with OPC @ 390 Kgs with 20mm & down size graded granite metal coarse aggregates etc up to 5m height and as directed by the Engineer in charge of the work -						

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4 Deduct payments

M. A. R. 57 (Rule 116)
Measurement Book

No. B

al No. .....

e of work ..... From ..... To 17335

ue of Contractor of nature of Agency.....

: of commencement of work.....

e	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	— Box Side walls	1	10.5	0.45	1.50	= 7.09	Cleared Road
		1	10.50	0.45	1.55	= 7.32	
						14.41 Cum	
				limited to		14.18 Cum	
	Qty to be paid = 14.18 Cum.						
	Item NO 10:- Supplying, fitting and placing TMT bar fe-415 reinforcement in Super-Structure complete as per drawing and technical Specifi-cations complete as per Specifications						
	Top Slab -						—

P.T.O.

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

17336

ial No. .....
me of work ..... From ..... To .....
me of Contractor of nature of Agency.....
e of commencement of work.....

ate	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
	2	3	4	5	6	7	8
	Item NO:9 furnishing and placing Reinforced/prestressed Cement Concrete in Super Structure as per drawing & Technical Specification Complete design mix M-35 as directed by the Engineer in charge of the work.						
	12th A Main Top Slab	1	10.50	5.1	0.45	24.10	Cleared
	Haunch parts	2	10.50	0.3	0.3	1.89	NA Road
	Corbel parts	2	10.50	0.49	0.5	5.16	5.145(15
	Crash barrier	2	5.10	0.34	0.9	3.12	
	Vent Concrete above raft of bridge	1	6	4.5	0.2	5.40	
						39.67 Cum	38.67
			Total Qty to be paid =			39.67 cum.	
	Item NO:12 Providing and laying of filter media with granular material/ 12 A Stone Crushed aggregates satisfying the requirements laid down						

P.T.O

Executive Engineer

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M. A. R. 57 (Rule 116)

Measurement Book

No. B

Serial No. .....

Name of work ..... From ..... To 17339

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Item	Full description, etc, of work	Number	Dimensions Length (Progressive)	Breadth	Depth	Contents	Reference to Measurement Book / Amount
2		Unit	Qty	Rate	Amount		Amount
11	Reinforced Concrete M30 App - raden slab	Cum	25.72	11091.00	285260.98	25.72	285260.98
12	Providing & laying Filter media	Cum	25.20	9862.48	24847.20	25.20	24847.20
13	Black filling behind abutment	Cum	12.60	299.00	3767.40	12.60	3767.40
14	Providing weep holes in BM	No's	21.00	172	3612.00	21	3612.00
15	granite stone Masonry	Cum	32.40	5570	180468.00	32.40	180468.00
16	Position plain Cement concrete M15	Cum	1.20	5016	6019.20	1.20	6019.20
				Rs	2069107.07	Rs	2069107.07

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Rate
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
Gross	Bill Amt ; 20,68,779=00						
	IT — 20,690=00						
	VAT — 82,760=00						
	FSD — 103450=00						
	Cess — 20690=00						
	CBF — 2000=00						
	Royalty — 39189=00						
	Total ded ; 2,68,779=00						
	Net Amt ; 18,00,000=00						

Admitted Rs. 20,68,779=00

Cheque Rs. 18,00,000=00

Eighteen lakhs only

Adjustment Rs. 2,68,779=00

Case worker

Executive Engineer

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